# UNITED STATES PATENT AND TRADEMARK OFFICE
## CERTIFICATE OF CORRECTION

PATENT NO.       : 6,844,849 B1
APPLICATION NO. : 10/617277
DATED         : January 18, 2005
INVENTOR(S)    : Barrick et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In claim 3, column 11, line 45, please delete "$g_n(\vartheta\ \phi)$" and insert --$g_n(\vartheta, \varphi)$--.

In claim 3, column 11, line 46, please delete "$\vartheta\Phi[w_n]$" and insert --$\vartheta,\varphi,[w_n]$--.

In claim 3, column 11, line 50, please delete "$0 < \vartheta < \pi$ and $0 < \Phi < 2\delta$" and insert --$0 < \vartheta < \pi$ and $0 < \varphi < 2\pi$--.

In claim 4, column 11, line 61, please delete "$P(\vartheta, \Phi)$" and insert --$P(\vartheta, \varphi)$--.

In claim 4, column 11, line 61, please delete "$G(\vartheta_o, \Phi_o)$" and insert --$G(\vartheta_o, \varphi_o)$--.

In claim 4, column 11, line 64, please delete "$(\vartheta_o, \Phi_o)$" and insert --$(\vartheta_o, \varphi_o)$--.

In claim 5, column 11, line 66, please delete "$P(\vartheta, \Phi)$" and insert --$P(\vartheta, \varphi)$--.

In claim 5, column 12, line 7, please delete "$g(\vartheta, \Phi)$" and insert --$g(\vartheta, \varphi)$--.

In claim 5, column 12, line 8, please delete "$\vartheta, \Phi$" and insert --$\vartheta, \varphi$--.

In claim 6, column 12, line 15, please delete

$$\text{``}N_{m,n}(\vartheta_o, \phi_o) = \left[g_m(\vartheta_o, \phi_o)\right]^T \left[g_n(\vartheta_o, \phi_o)\right]\text{''}$$

and insert

$$--N_{m,n}(\vartheta_o, \varphi_o) = \left[g_m(\vartheta_o, \varphi_o)\right]^T \left[g_n(\vartheta_o, \varphi_o)\right]--.$$

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In claim 14, column 13, line 7, please delete

"$N_{m,n}(\vartheta_o, \phi_o) = \left[g_m(\vartheta_o, \phi_o)\right]^T\left[g_n(\vartheta_o, \phi_o)\right]$,"

and insert

--$N_{m,n}(\vartheta_o, \varphi_o) = \left[g_m(\vartheta_o, \varphi_o)\right]^T\left[g_n(\vartheta_o, \varphi_o)\right]$--.

In claim 14, column 13, line 9, please delete "D,n" and insert --$D_{m,n}$--.

In claim 17, column 13, line 37, please delete "$g_n(\vartheta, \Phi)$" and insert --$g_n(\vartheta, \varphi)$--.

In claim 17, column 13, line 37, please delete "$\vartheta, \Phi, [W_n]$" and insert --$\vartheta, \varphi, [W_n]$--.

In claim 17, column 14, line 3, please delete "$0 < \vartheta < \pi$ and $0 < \Phi < 2\pi$" and insert --$0 < \vartheta < \pi$ and $0 < \varphi < 2\pi$--.

In claim 18, column 14, line 15, please delete "$P(\vartheta(\Phi)$" and insert --$P(\vartheta, \varphi)$--.

In claim 18, column 14, line 15, please delete "$G(\vartheta_o, \Phi_o)$" and insert --$G(\vartheta_o, \varphi_o)$--.

In claim 18, column 14, line 17, please delete "$g(\vartheta_o, \Phi_o)$" and insert --$g(\vartheta_o, \varphi_o)$--.

In claim 19, column 14, line 20, please delete "$P(\vartheta, \Phi)$" and insert --$P(\vartheta, \varphi)$--.

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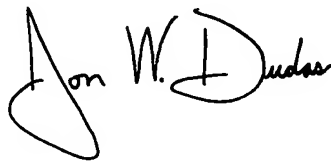INVENTOR(S)      : Barrick et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In claim 19, column 14, line 28, please delete "$g_n(\vartheta, \Phi)$" and insert --$g_n(\vartheta, \varphi)$--.

In claim 19, column 14, line 29, please delete "$\vartheta, \Phi$" and insert --$\vartheta, \varphi$--.

Signed and Sealed this

First Day of January, 2008

JON W. DUDAS
*Director of the United States Patent and Trademark Office*